

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (currently amended) A solar heat utilization stirling engine power generation plant comprising:

a Fresnel lens $[(1)]$ for collecting a solar heat;

a quartz glass light guiding fiber $[(3)]$ for guiding a heat source collected by the Fresnel lens $[(1)]$ and having a temperature between about 600°C and about 2000°C to a predetermined place;

a stirling engine $[(4)]$ driven by the heat source from the light guiding fiber $[(3)]$; and

a power generator $[(5)]$ driven by the stirling engine $[(4)]$.

2. (currently amended) A solar heat utilization stirling engine power generation plant as claimed in claim 1, further comprising a tracking apparatus $[(2)]$ for tracking the solar heat.

3. (currently amended) A solar heat utilization stirling engine power generation plant as claimed in claim 1 or 2, wherein a light receiving portion ~~[[31]]~~ of the light guiding fiber ~~[(3)]~~ receiving the solar heat from said Fresnel lens ~~[(1)]~~ is formed in an approximately conical shape in which a diameter is made larger in accordance with going close to the Fresnel lens ~~[(1)]~~.